

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, W2242PMT.

General Specification

Display	22 inches (55.868 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating 22 inches viewable 0.282*0.282 mm pixel pitch	
Sync Input	Horizontal Freq.	Analog : 30 - 83 kHz (Automatic) Digital : 30 - 83 kHz (Automatic)
	Vertical Freq.	56 - 75 Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green) Digital
Video Input	Signal Input	15 pin D-Sub Connector DVI - D connector (Digital)
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	Max	Analog : VESA 1680 x 1050 @60 Hz Digital : VESA 1680 x 1050 @60 Hz
	Recommend	VESA 1680 x 1050 @60 Hz
Plug&Play	DDC 2B	
Power Consumption (without speaker)	On Mode	: 45W(Typ.)
	Sleep Mode	≤ 1 W
	Off Mode	≤ 1 W
Dimensions & Weight	With Stand	
	Width	50.17 cm / 19.75 inches
	Height	42.19 cm / 16.61 inches
	Depth	23.39 cm / 9.21 inches
	Net	5.85 kg (13 lbs)
Without Stand		
Tilt Range	Width	50.17 cm / 19.75 inches
	Height	37.14 cm / 14.62 inches
	Depth	5.95 cm / 2.34 inches
Power Input	AC 100-240V~ 50/60Hz 1.0A	
Environmental Conditions	Operating Conditions	
	Temperature	10°C to 35 °C
	Humidity	10 % to 80 % non-Condensing
	Storage Conditions	
	Temperature	-20°C to 60 °C
	Humidity	5 % to 90 % non-Condensing
Stand Base	Attached (), Detached (O)	
Signal cable	Attached (), Detached (O)	
Power cord	Wall-outlet type or PC-outlet type	
Audio	RMS Audio Output	1W+1W(R+L)
	Input Sensitivity	0.7Vrms
	Speaker Impedance	16Ω

EUT Operating Conditions

- a. Setup the EUT and Peripherals as shown in Sec. 3.2 of the test report.
- b. Turn on the power of all equipment and the EUT.
- c. Set the contrast & brightness of EUT to maximum.
- d. PC system ran the self-test program “EMC Test” by windows XP and sent “H” characters to EUT through graphic card, the EUT’s screen displayed and filled with “H” pattern by it’s resolution. (Via D-Sub & DVI Input). PC was playing music and transfer the audio signal to EUT through audio cable, the EUT speaker out music through earphone.
- e. Repeat above procedure from c to d for difference test mode.
- f. The other peripherals devices were driven and operated during the test.
- g. The test modes are as follows:

Test Mode
VGA 640*480@60Hz
VGA 1024*768@60Hz
VGA 1680*1050@60Hz
DVI 640*480@60Hz
DVI 1024*768@60Hz
DVI 1680*1050@60Hz